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#### DEPARTMENT OF THE NAVY

NAVAL WEAPONS STATION EARLE 201 HWY 34 SOUTH COLTS NECK, NEW JERSEY 07722-5001

IN REPLY REFER TO 5090 043/047 January 29, 1997

State of New Jersey
Department of Environmental Protection
Mr. Robert Marcolina
CN 029
Trenton, New Jersey 08625-0029

Dear Mr. Marcolina:

In October of 1995, Underground Storage Tanks (USTs) at buildings C-23 and C-54 were removed and USTs at buildings C-19 and 500 were abandoned in place by Roy F. Weston, Inc. (Weston). This was done in accordance with New Jersey Department of Environmental Protection (NJDEP) Closure Approval Numbers C-94-0270, C-94-5111, C-94-5116, and C-94-0921, respectively. The tank removals and closures were conducted as part of a Station-wide program to convert existing fuel oil heating processes to natural gas. Weston submitted a report in March 1996 recommending no further action for the tank sites.

Your letter of 30 May 1996, indicated difficulty verifying sample depths and locations because of inaccurately scaled drawings and noted a lack of justification for abandoning the C-19 UST in place. NJDEP requested that the scaling be clarified and justification be provided for abandoning C-19 and 500 in place. Weston Inc. has responded to these concerns. Their amended report is provided as an enclosure.

Naval Weapons Station Earle, Code 043, has reviewed the Weston submittal and believes it addresses NJDEP's concerns. Request that you review the amended report and recommend no further action at these UST sites.

Should you require additional information, the point of contact on this matter is Lawrence Burg, Environmental Protection Specialist at (908) 866-2621.

Sincerely,

D.E. BLAZAK

Supervisory Environmental Engineer

By direction of

the Commanding Officer

Encl:

(1) Roy F. Weston Inc. letter (06 Jan 97)

Copy: NAVFACENGCOM, NORTHDIV (Brian Helland)

NWS Earle, ROICC (Ralph Tinari) (w/o encl) Roy F. Weston, Inc., (Steven A. Rock) (w/o encl)

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Roy F. Weston, Inc.

1 Weston Way
West Chester, Pennsylvania 19380-1499
610-701-3000 • Fax 610-701-3186

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Department of the Navy Officer in Charge NAVFAC Contracts Naval Weapons Station Earle Building C-23 Colts Neck, NJ 07722-5000

Attention:

Mr. Ralph F. Tinari

Supervisory Civil Engineer

DCN: NWSE-0197-213

Re:

Contract N62472-92-C-0415

Underground Storage Tank Removal (Gas Conversion)

WPNSTA Earle, Colts Neck, NJ 07722-5025

Subject:

Project Closeout Documentation

Dear Mr. Tinari:

This letter is in response to your request for additional data (09A1:RIN#13) required to process final payment and close out of this contract. I apologize for the delay in providing you with this submittal, but hope the information contained within fulfills the closeout requirements. The format of this submittal responding to the three points identified in your letter is as follows:

- Issues pertaining to the Site Investigation Report for UST's C-19, C-23, C-54, and Tank 500.
- Provision of As-built drawings.
- Correction of Invoice and Final Payment release documentation.

Regarding issues pertaining to the Site Investigation Report, Weston has developed an addendum which should be incorporated with the Site Investigation Report. This addendum is provided as Attachment A and is a stand alone document. This response was developed in response to the New Jersey Department of Environmental Protection (NJDEP) letter dated 30 May 1996. As indicated in the addendum, Weston communicated the issues with NJDEP's Bob Marcolina to ensure the responses were adequate.

Point number 2 regarding a second set of As-built drawings (red marked drawings) is noted, but Weston did not maintain a set for our records to reproduce. The understanding was that we could provide NWSE with the field marked drawings as the required submittal. Since we cannot reproduce this drawing, Weston has compiled all site sketches of each tank area which



Mr. Ralph F. Tinari Supervisory Civil Engineer 6 January 1997 Page 2

incorporates red line data. These are the same drawings/sketches that were provided with each Site Investigation Report. These sketches are provided in Attachment B.

The invoice discrepancies identified in point number 3 have been corrected and the supporting forms have been revised to reflect corrected data. This has also been developed as a stand alone submittal, but has been included in this submittal as Attachment C.

Once again, I apologize for the delay in providing you with this submittal. Two copies, an original and one copy, are provided for your records. Should you have any questions or concerns, please do not hesitate to call me at (610) 701-3022.

Very truly yours,

Roy F. Weston, Inc.

Steven A. Rock

Principal Project Manager

Attachments cc: DCN File

## ATTACHMENT A



6 January 1997

Department of the Navy Officer in Charge NAVFAC Contracts Naval Weapons Station Earle Building C-23 Colts Neck, NJ 07722-5000

Attention:

Mr. Ralph F. Tinari

DCN: NWSE-0197-214

Supervisory Civil Engineer

Re:

Contract N62472-92-C-0415

Underground Storage Tank Removal (Gas Conversion)

WPNSTA Earle, Colts Neck, NJ 07722-5025

Subject:

Addendum to the Site Investigation Report for Tanks C-19, C-23, C-54, and

Tank 500

Dear Mr. Tinari:

The purpose of this letter is to provide documentation necessary to complete the reporting requirements for the New Jersey Department of Environmental Protection (NJDEP) for the tanks remediated in the above-referenced report. This letter is to serve as an addendum to Weston's March 1996 Site Investigation Report for Tanks C-19, C-23, C-54, and 500. This addendum was developed in response to the New Jersey Department of Environmental Protection (NJDEP) letter dated 30 May 1996 to the Navy and as communicated with NJDEP's Bob Marcolina to ensure the responses were adequate. The following summarizes the actions addressed in response to NJDEP comments:

- The tank profile drawing for tank 500 was inaccurate. The drawing depicted the bottom of the tank at a depth of 14 feet below ground surface (bgs) and the top of the tank one foot bgs. The actual details of this tank as derived from field measurements is as depicted on Figure 2-8 attached. The correction made to this drawing indicates that the samples collected from around the tank were taken at 12-13 feet bgs as stipulated. Figure 2-8 should replace the one presented in the original report.
- It was determined that the sample location maps cannot be precisely drawn to scale but are relatively accurate. The maps were redrafted to more conclusively reflect the location of samples taken from Tank excavations C-23 and C-54. This in conjunction with the text



Department of the Navy Attn: Mr. R. F. Tinari 6 January 1997 Page 2

and field logs provided in the original report, conclude that the location of the samples for each site are within the NJDEP guidelines for tank closure sampling. For clarity purposes, sample location maps were redrafted for each of the tanks in the SIR C-19, C-23, C-54, and 500 (Figures 2-9 through 2-12 respectively). These figures should replace the ones presented in the original report.

 The appropriate documentation for in-place closure of Tank C-19 was provided to NJDEP and an Underground Storage Tank System Closure Approval Form stipulating Abandonment was issued on 3/31/94 (TMS#C94-0270 for UST#0151003). A copy of the NJDEP approval from is attached and should be added to the Site Investigation Report.

Weston presumes that this addendum resolves the outstanding issues identified in the NJDEP letter dated 30 May 1996. Therefore, upon review and acceptance of this addendum to the Site Investigation Report, Weston recommends no further action for Tanks C-19, C-23, C-54, and 500.

Should you have any questions or concerns with this submittal, please do not hesitate to call me at (610) 701-3022.

Very truly yours,

ROY F. WESTON, INC.

Steven A. Rock

Principal Project Manager

Attachments

cc: DCN File



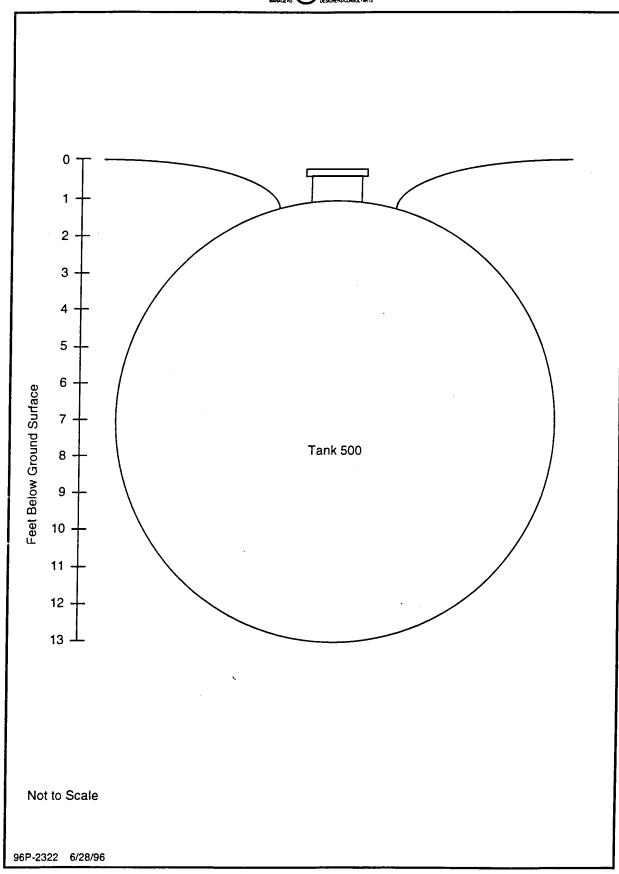


FIGURE 2-8 SUBSURFACE PROFILE - TANK 500



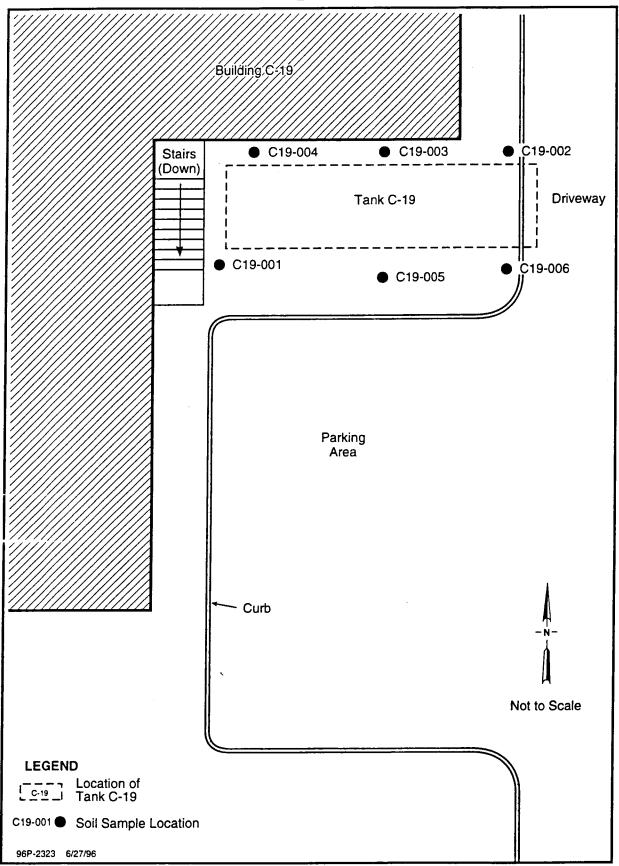


FIGURE 2-9 TANK C-19 SAMPLE LOCATION MAP



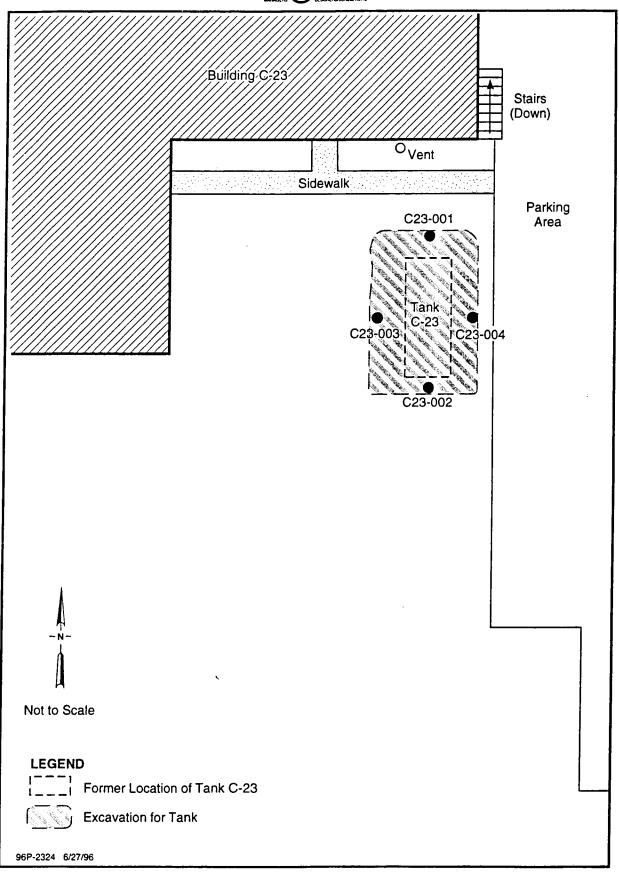


FIGURE 2-10 TANK C-23 SAMPLE LOCATION MAP



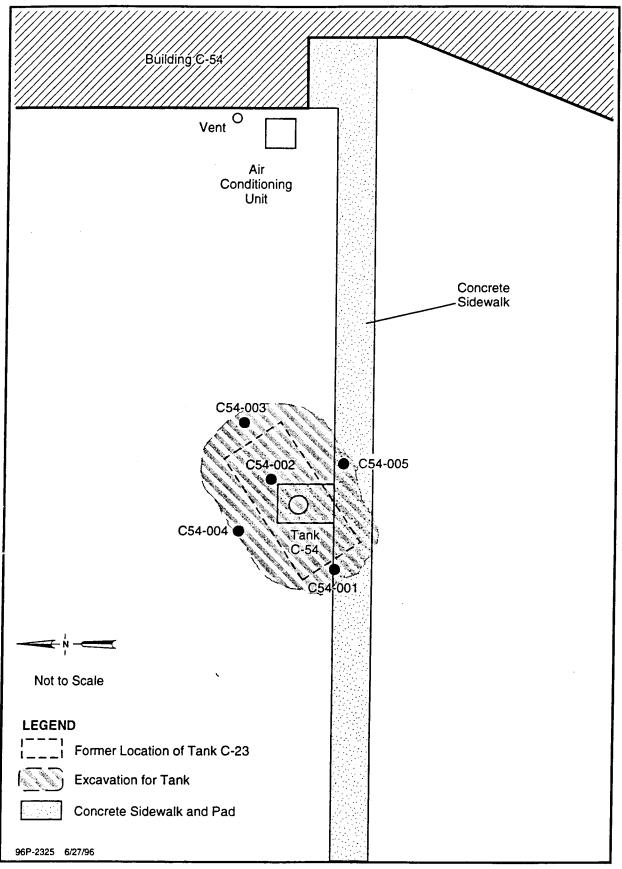


FIGURE 2-11 TANK C-54 SAMPLE LOCATION MAP



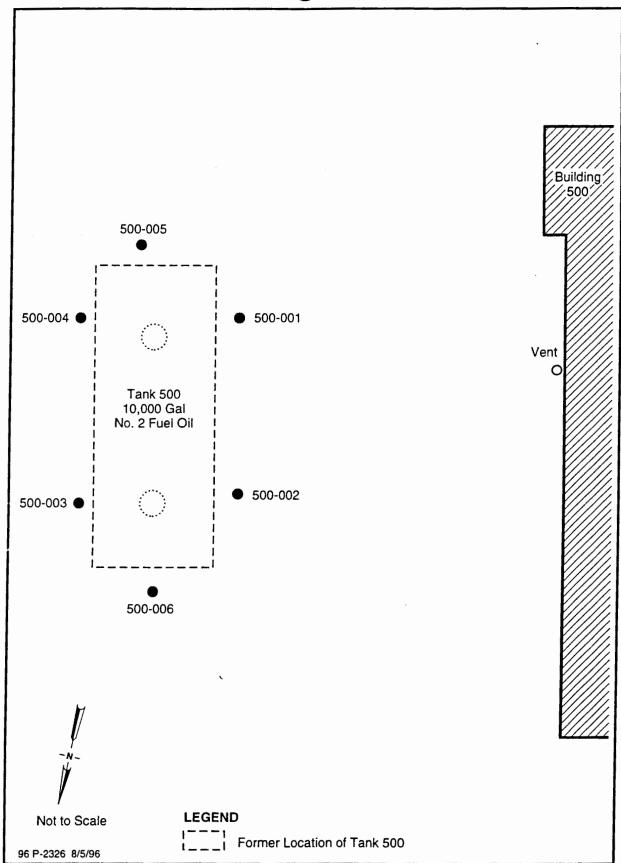


FIGURE 2-12 TANK 500 SAMPLE LOCATION MAP

# UNDERGROUND STORAGE TANK SYSTEM CLOSURE APPROVAL

### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY

DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION
BUREAU OF APPLICABILITY AND COMPLIANCE
CN-028. TRENTON. NJ 08625-0028

TMS #

C94-0270

UST # 0151003

NAVAL WEAPONS STATION EARLE

COLTS NECK

MONMOUTH County

THE ABOVE LISTED FACILITY IS HEREBY GRANTED APPROVAL TO PERFORM THE FOLLOWING ACTIVITY IN ACCORDANCE WITH N.J.A.C. 7:14b-1 et, seq:

ABANDONMENT OF: one 2,000 gallon #2 Fuel /Heating Oil UST(s), and appurtenant piping

SITE ASSESSMENT: Collect 4 soil samples around the tank(s) or one sample every five (5) feet along the center line of each tank. Also collect one (1) soil sample for every 15 feet along all appurtenant piping. Analyze all samples for TPHC. If any of the TPHC results are greater than 1,000 ppm, then analyze 25 % of the samples for VO+10

**ON-SITE MANAGER:** 

TELEPHONE:

GEORGE WEISS

610-701-3000

EFFECTIVE DATE:

03/31/94

THIS FORM MUST BE DISPLAYED AT THE SITE DURING THE APPROVED ACTIVITY AND MUST BE MADE AVAILABLE FOR INSPECTIONS AT ALL TIMES.

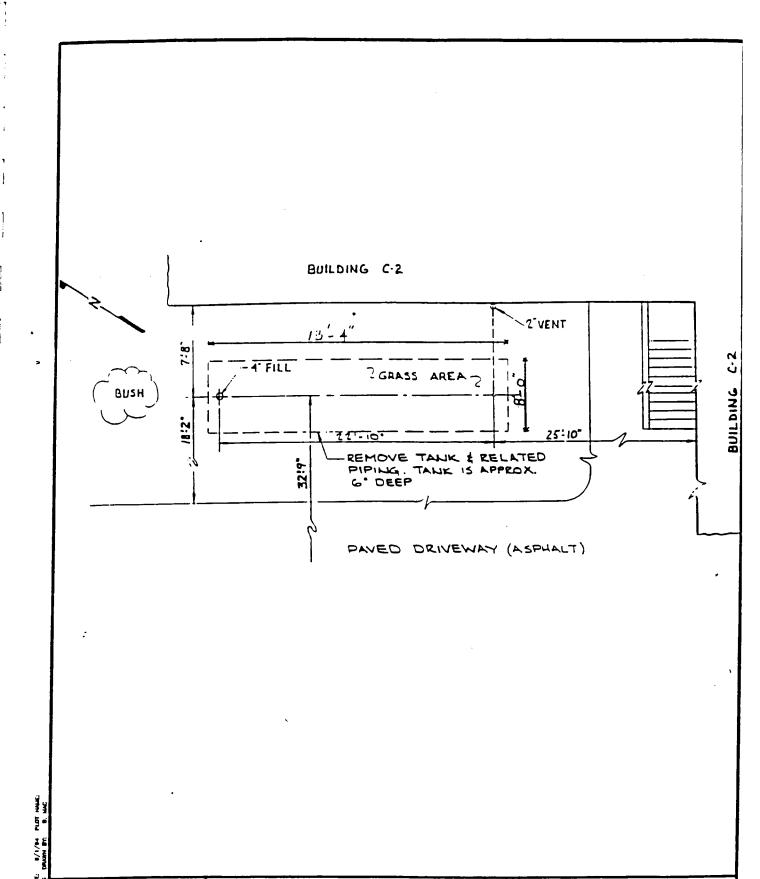
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### ATTACHMENT B

3,000 GAL. - LINES TO BE REMOVED -EXISTING FILL Ħ E UST EXISTING FO. EGAUGE LINES TO ZE TEMOVED. TATEM SUTTEN FOUNDATION WATER TIGHT. G TWK VENT EXISTING DIESEL GENERATOR EXISTIN TEAILE EXIBTING BUILDINE LINE. WALK-EXISTING DISC. SW. EXISTING BOILER RM EXISTING POWER --EXISTING GAS METER EXISTE SANITAR BUILDING C-1 PARTIAL SITE PLAN UNDERGROUND STORAGE TANK CLOSURES SITE LOCATION MAP NAVAL WEAPON STATION EARLE TANK C-1 COLTS NECK, NEW JERSEY
NEW JERSEY NECK.

NUE DEPARTMENT OF THE NAVY 31 AUGUST 1994 2-1 NAVFAC CONTRACTS



UNDERGROUND STORAGE TANK CLOSURES NAVAL WEAPON STATION EARLE

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COLTS NECK.
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NAVFAC CONTRACTS

SITE LOCATION MAP TANK C-2

PIGURE #: 16 SEPTEMBER 1994

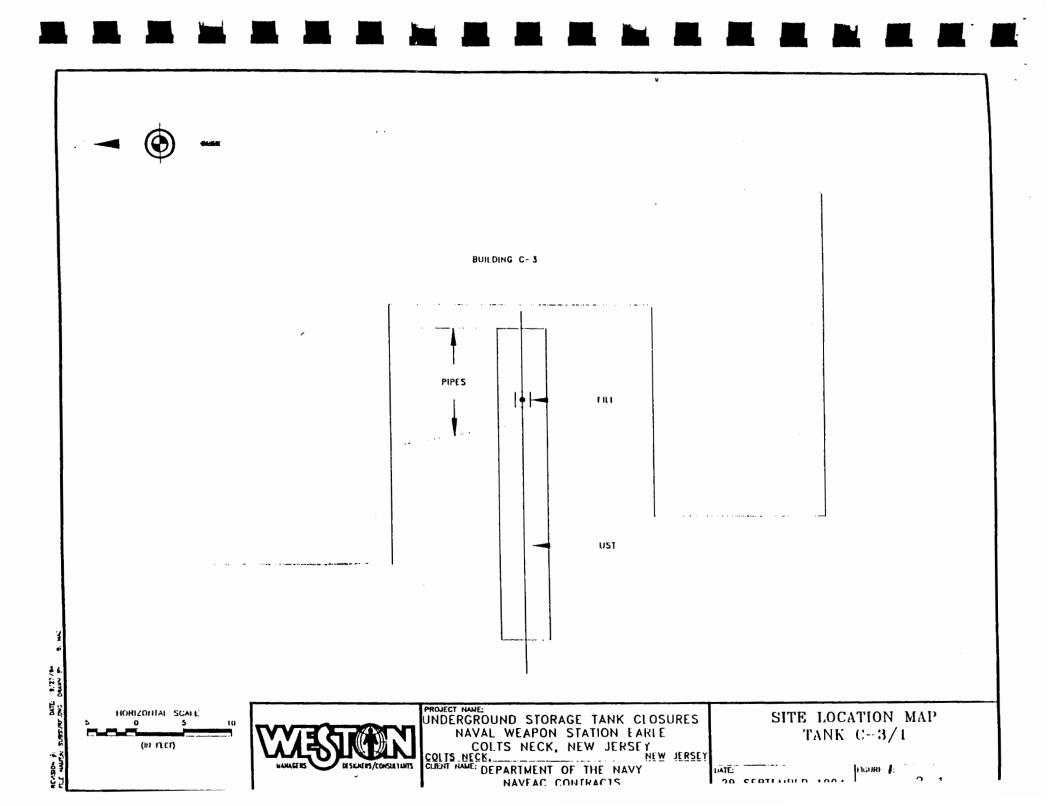
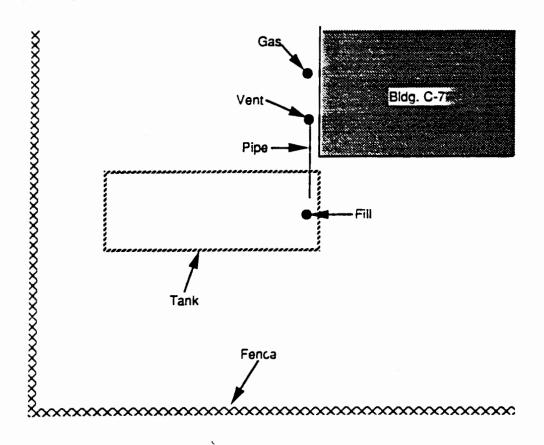
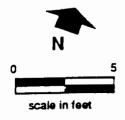
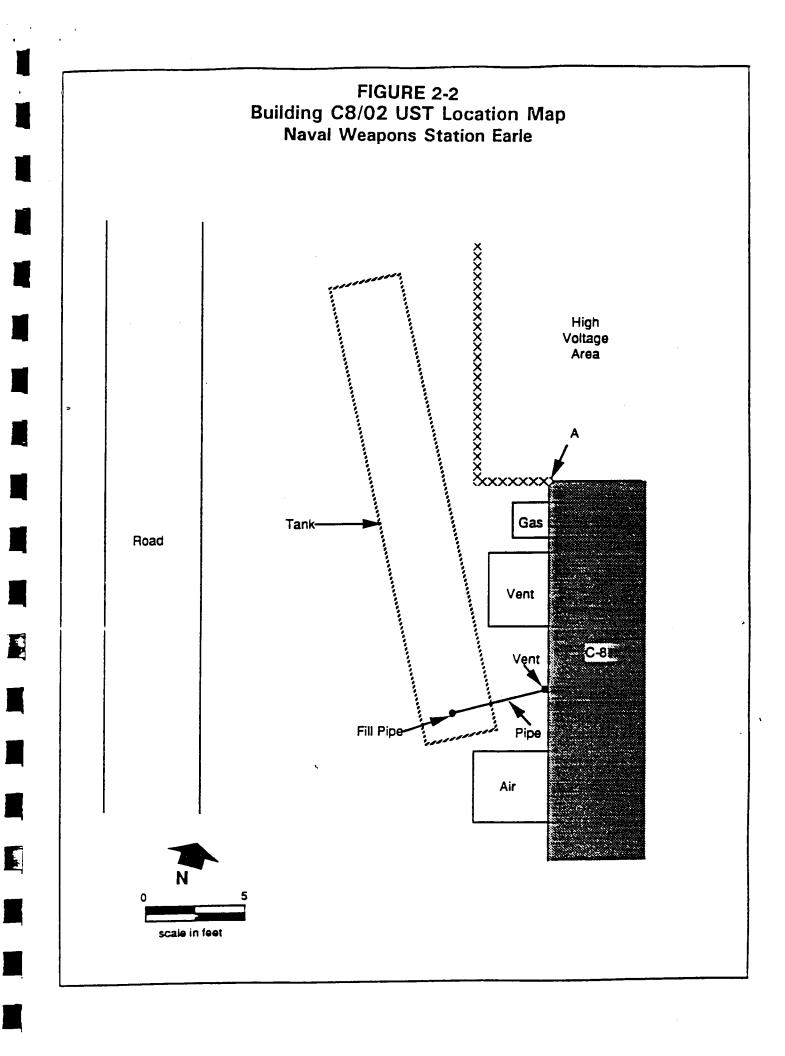
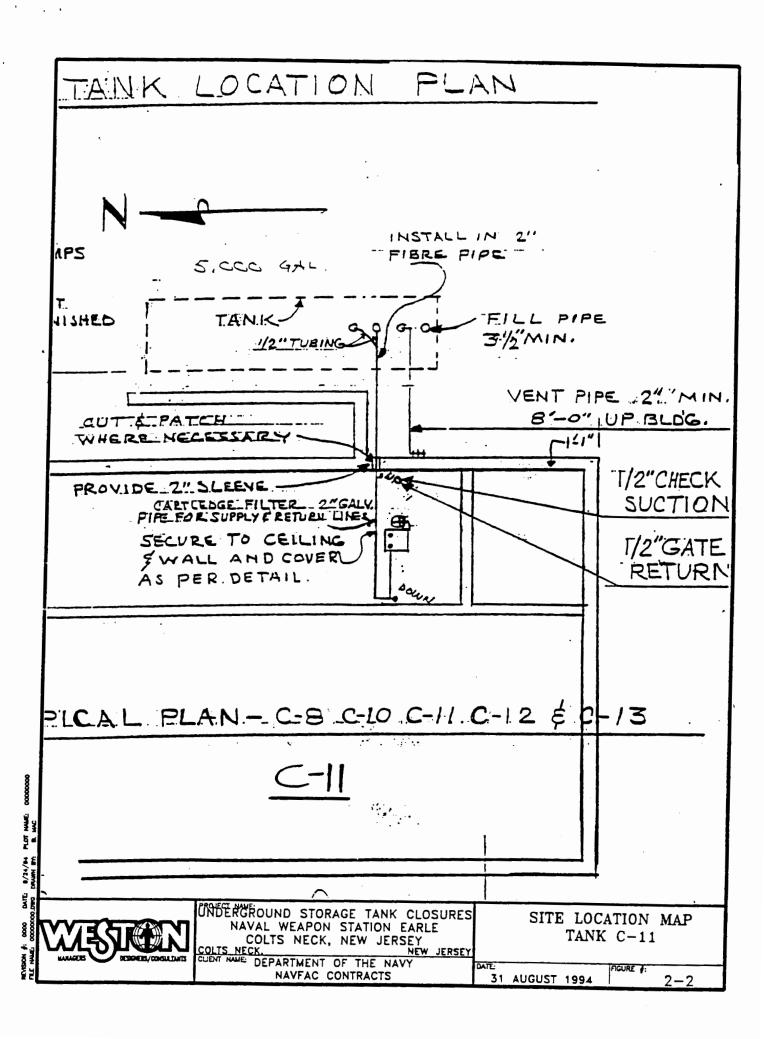


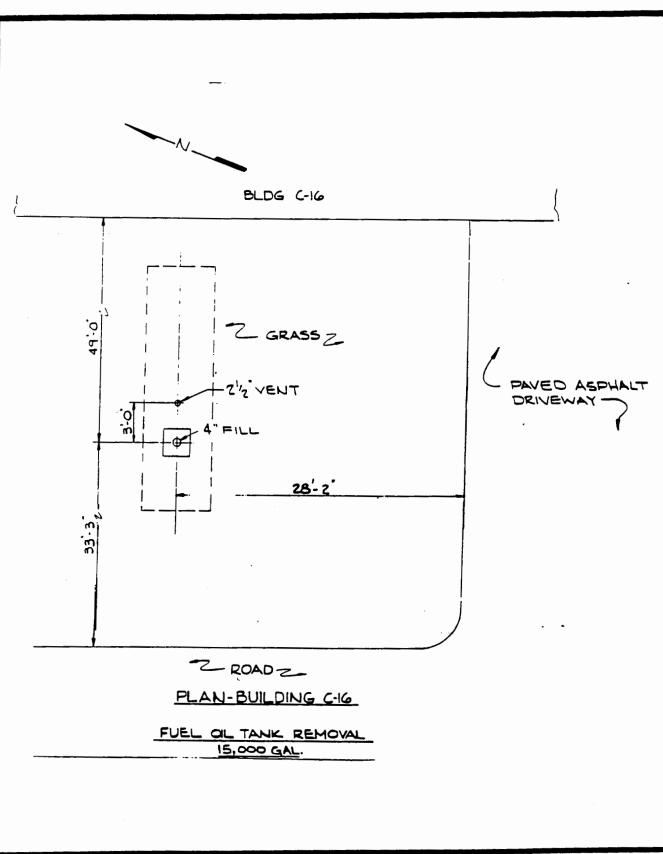
FIGURE 2-1
Building C7 UST Location Map
Naval Weapons Station Earle











UNDERGROUND STORAGE TANK CLOSURES

NAVAL WEAPON STATION EARLE

COLTS NECK, NEW JERSEY

COLTS NECK, NEW JERSEY

COLTS NECK NEW JERSEY

NAVFAC CONTRACTS

SAMPLE LOCATION MAP TANK C-16

NOVEMBER 1994



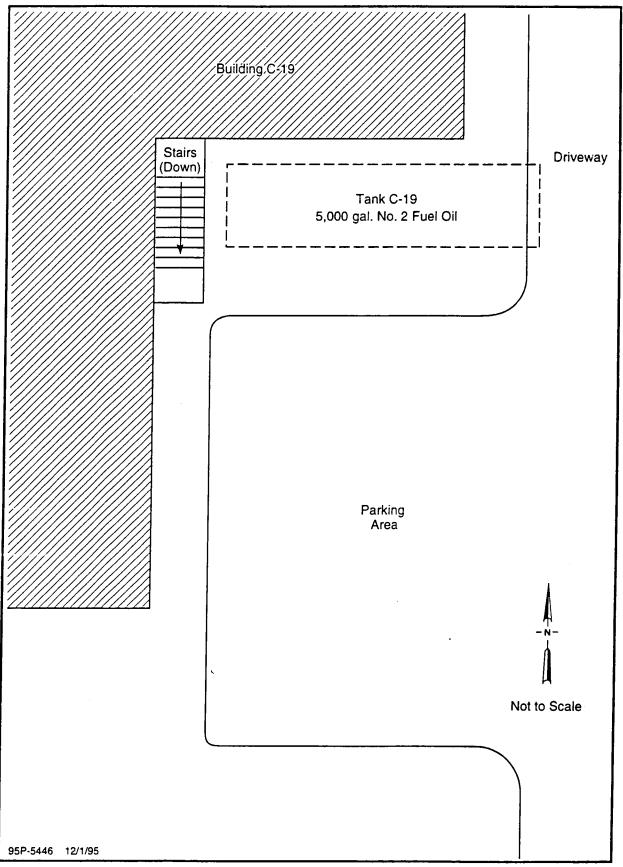
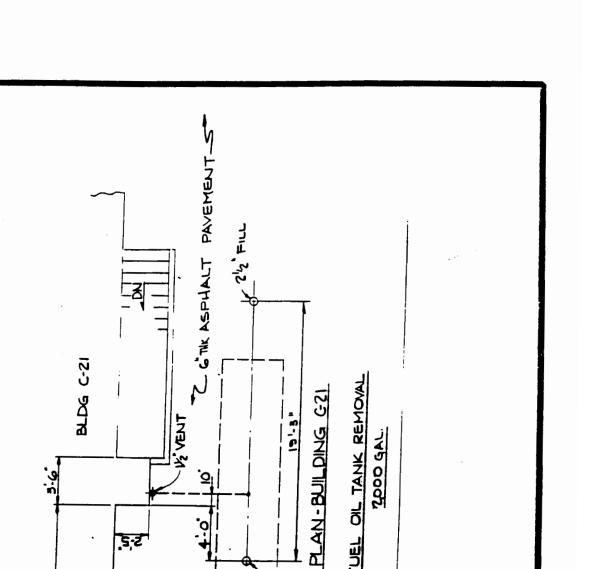
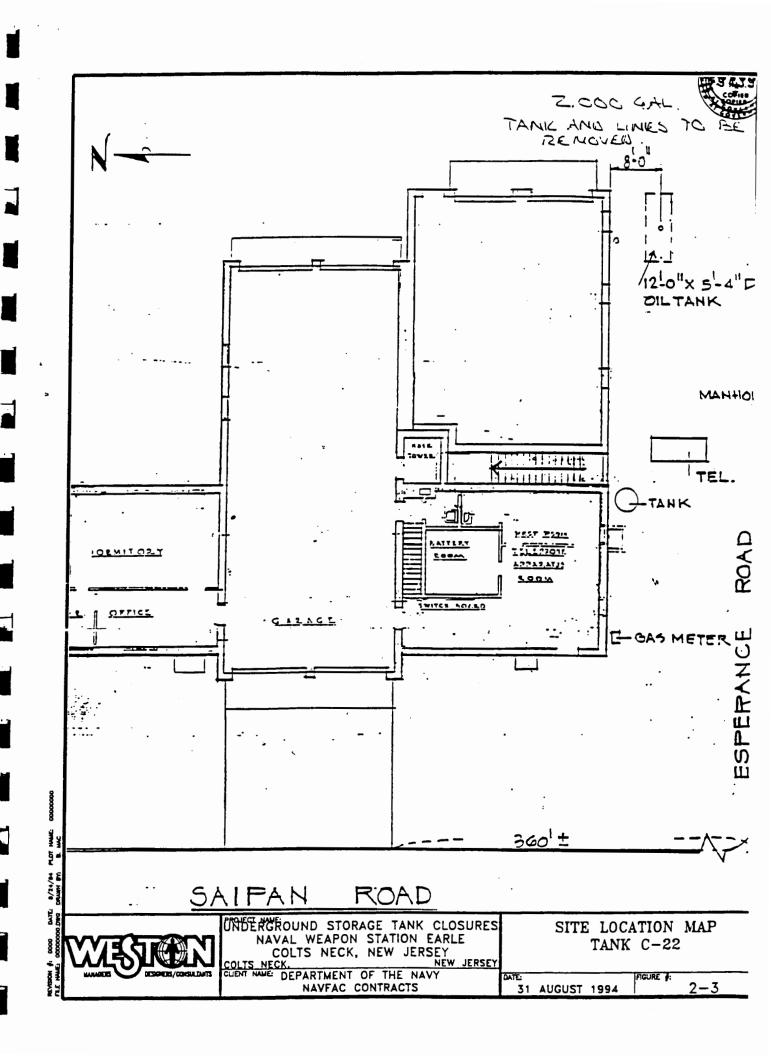


FIGURE 2-1 TANK C-19 SITE LOCATION MAP







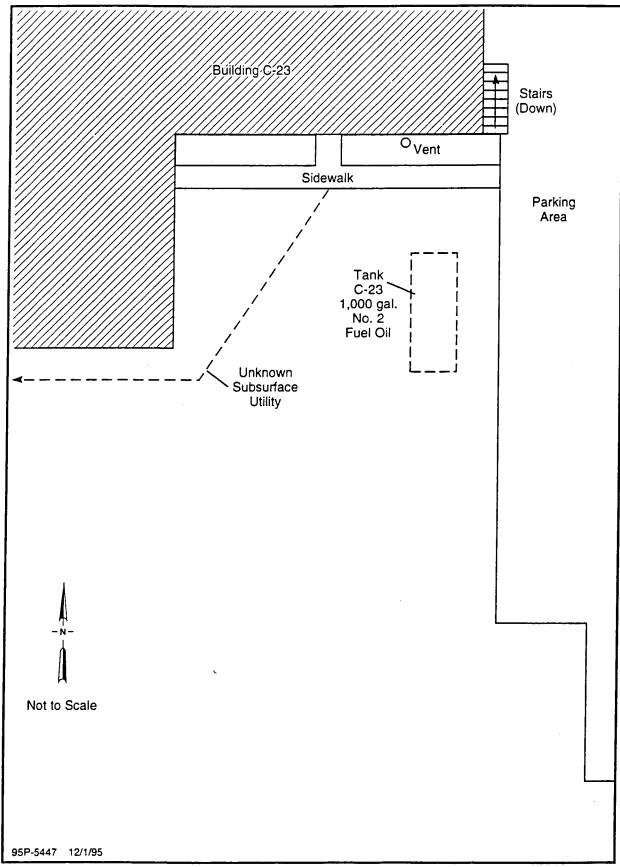
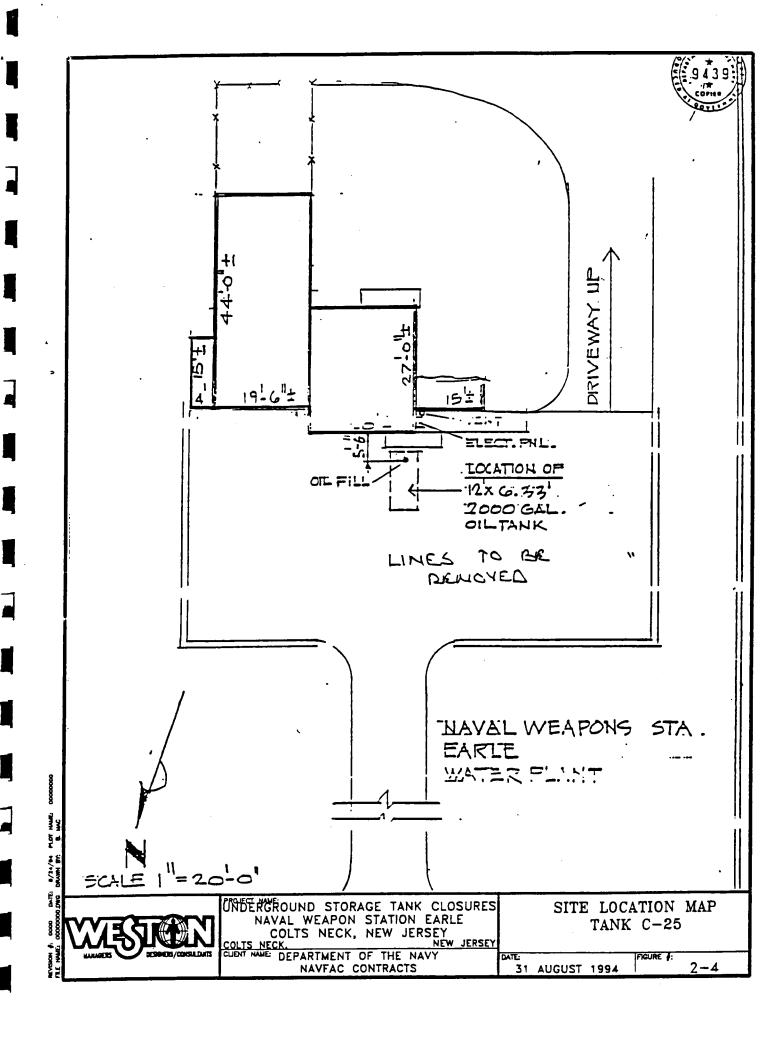
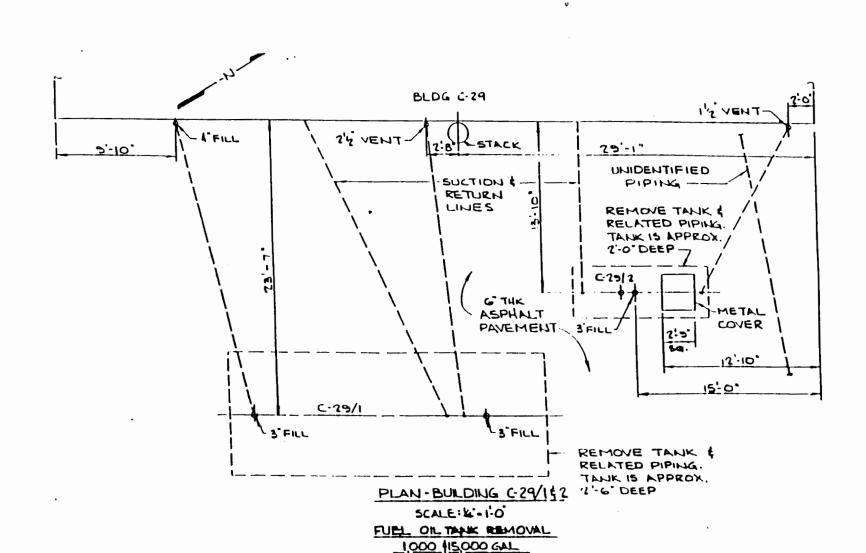


FIGURE 2-2 TANK C-23 SITE LOCATION MAP





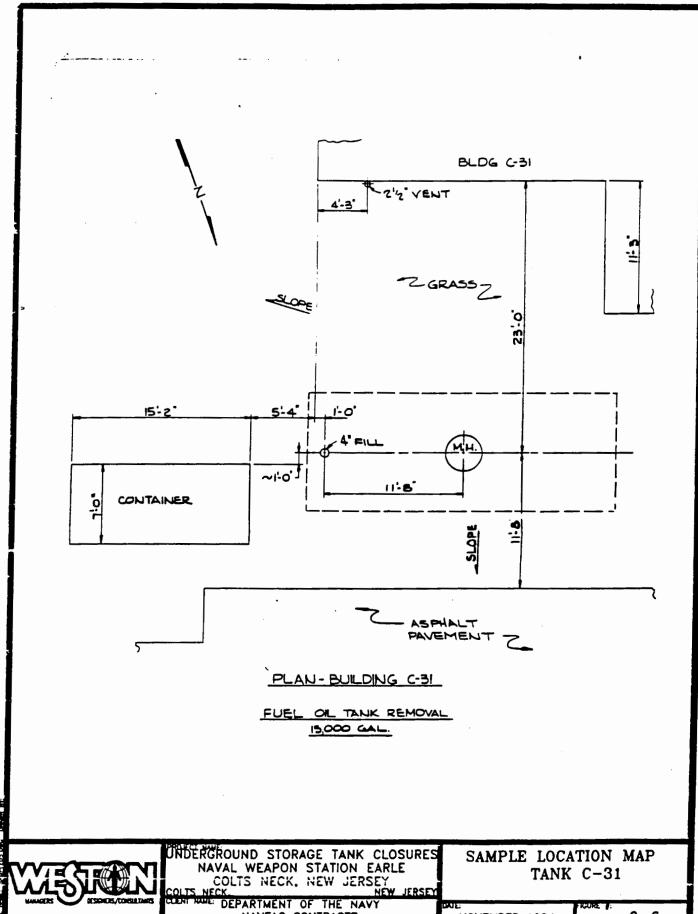
PROJECT NAME: UNDERGROUND STORAGE TANK CLOSURES NAVAL WEAPON STATION EARLE COLTS NECK, NEW JERSEY

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COLTS NECK.
CLIENT NAME: DEPARTMENT OF THE NAVY \_\_\_\_ HLW JERSEY

SITE LOCATION MAP TANKS C-29/1 AND C-29/2

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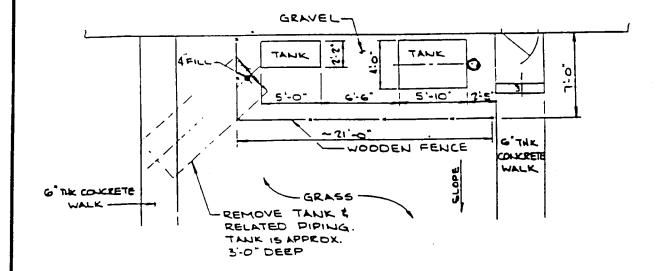


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### BUILDING C-35



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UNDERGROUND STORAGE TANK CLOSURES NAVAL WEAPON STATION EARLE

COLTS NECK.

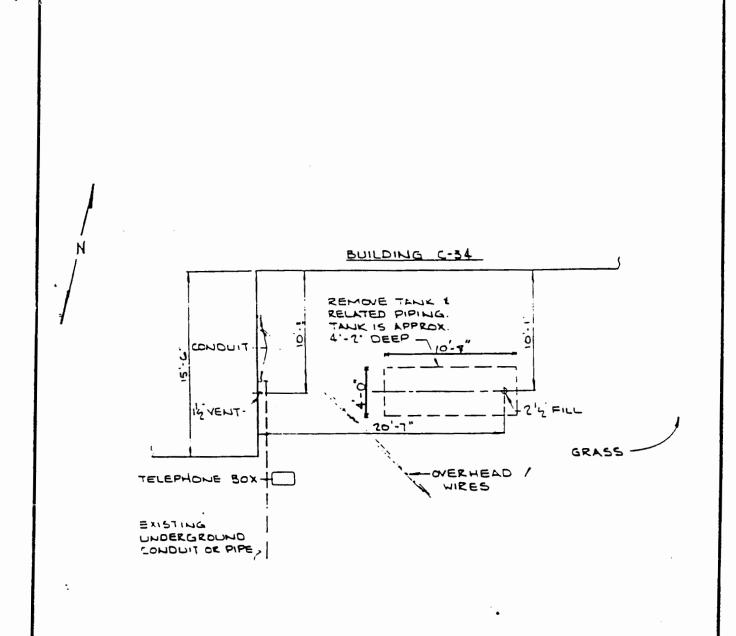
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SITE LOCATION MAP TANK C-33/1

16 SEPTEMBER 1994

2-2



PLOT NAME:

UNDERGROUND STORAGE TANK CLOSURES
NAVAL WEAPON STATION EARLE

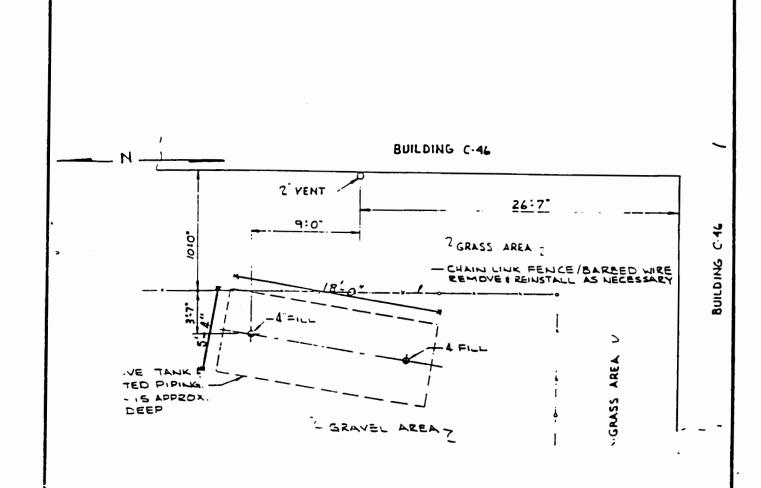
TANK C-34

COLTS NECK.

16 SEPTEMBER 1994

2 - 3

SITE LOCATION MAP

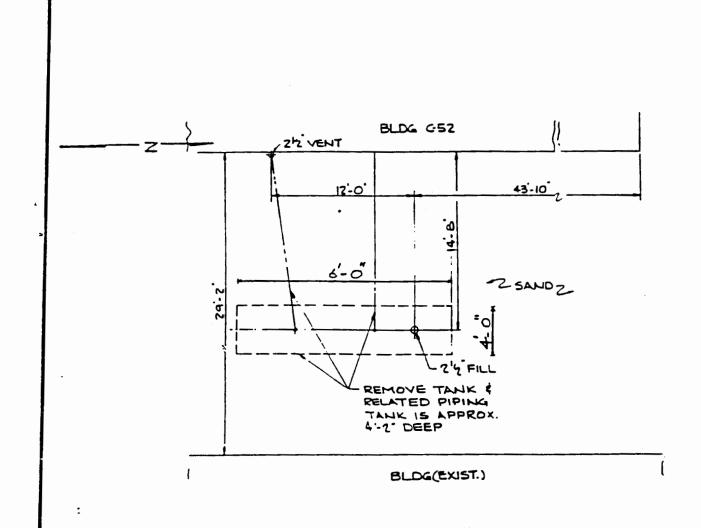


UNDERGROUND STORAGE TANK CLOSURES NAVAL WEAPON STATION EARLE

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NAVFAC CONTRACTS

SITE LOCATION MAP TANK C-46

16 SEPTEMBER 1994



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UNDERGROUND STORAGE TANK CLOSURES NAVAL WEAPON STATION EARLE

COLTS NECK.

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NAVFAC CONTRACTS

SITE LOCATION MAP TANK C-52

DATE FIGURE 9: 16 SEPTEMBER 1994 2-5

REMSON F. MUND DATE: 8/1



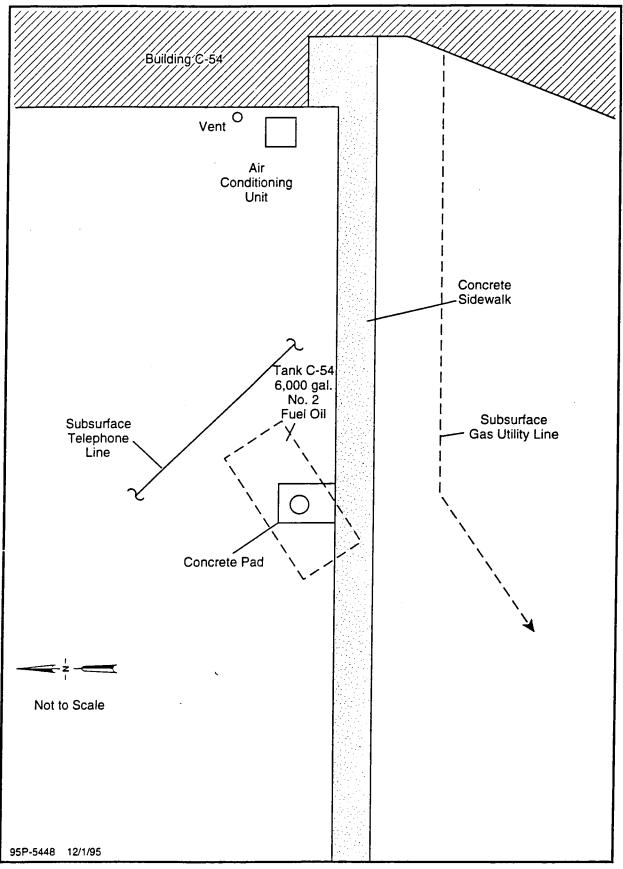


FIGURE 2-3 TANK C-54 SITE LOCATION MAP



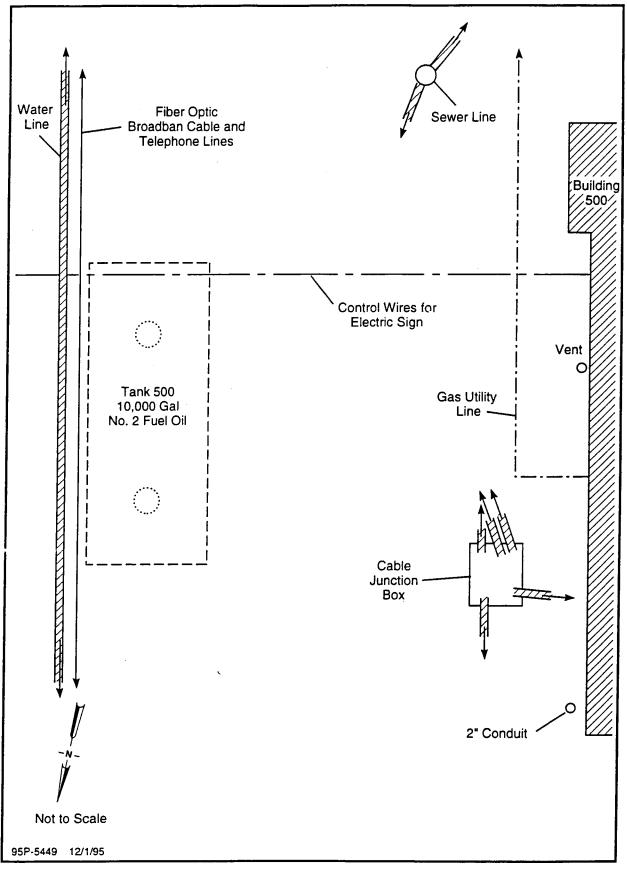
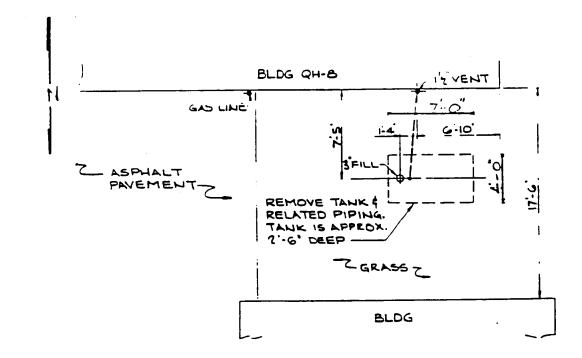


FIGURE 2-4 TANK 500 SITE LOCATION MAP





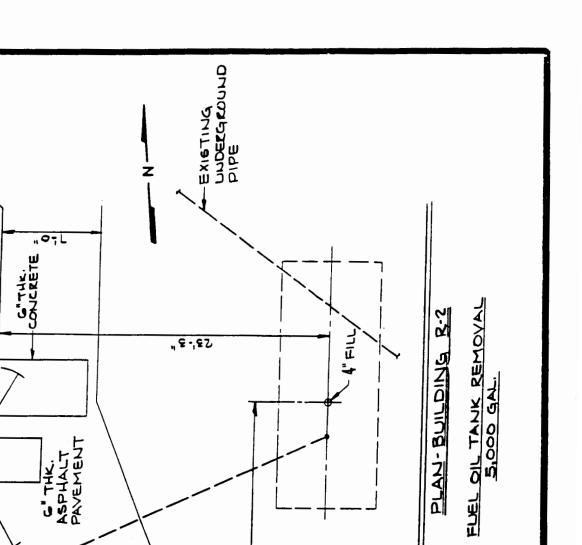
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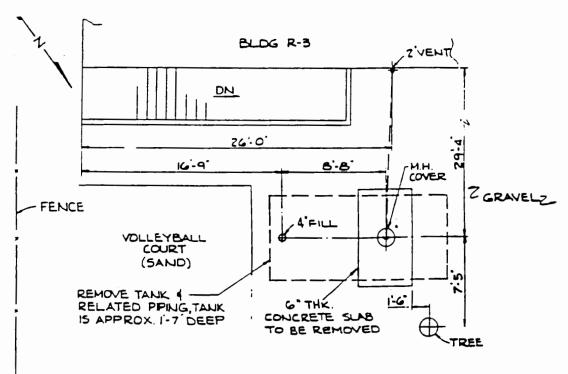
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NAVFAC CONTRACTS

SITE LOCATION MAP TANK QH-8

16 SEPTEMBER 1994 1

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PLAN-BUILDING R-3 SCALE: 4-1-0 FUEL OIL TANK REMOVAL 5,000 GAL



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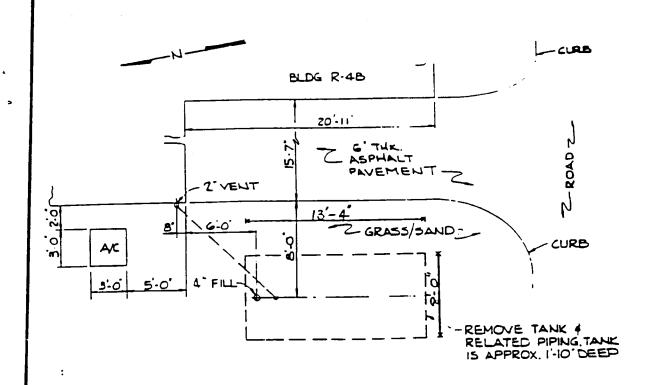
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SITE LOCATION MAP TANK R-3

16 SEPTEMBER 1994



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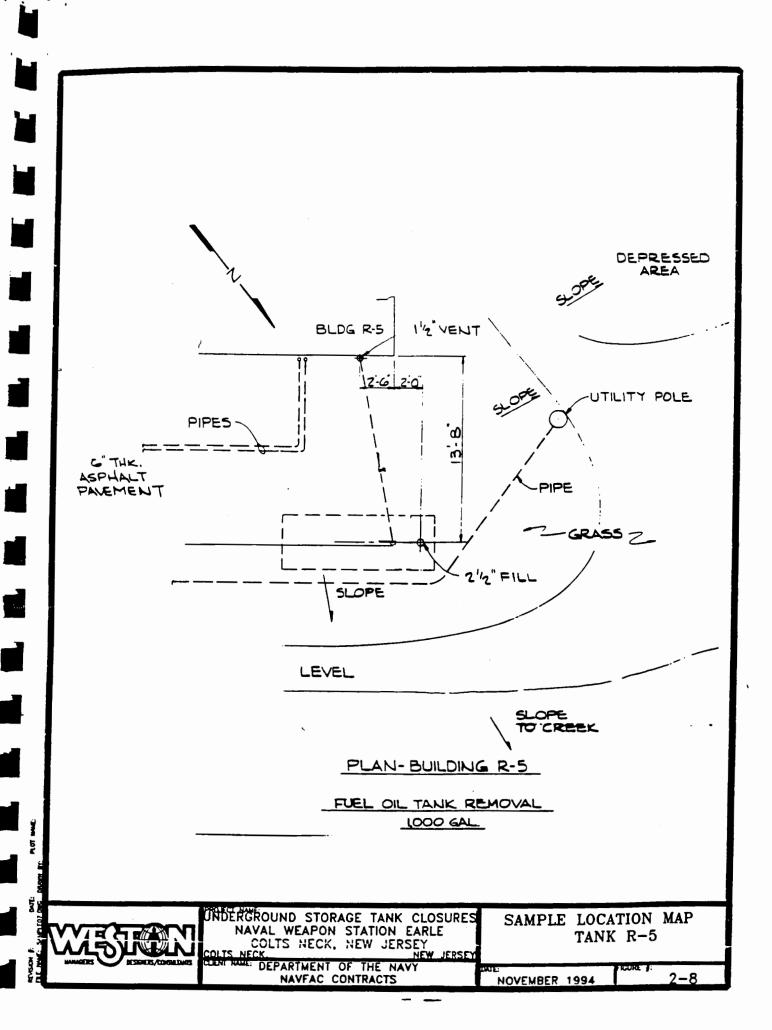
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NAVFAC CONTRACTS

SITE LOCATION MAP TANK R-4B

DATE: FIGURE 7: 2-8

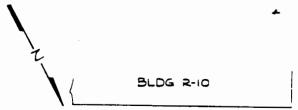
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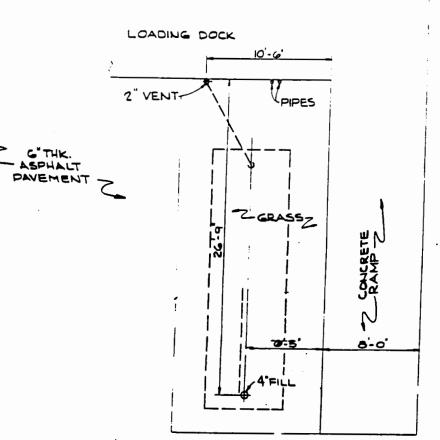
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## **Building R9 UST Location Map** Naval Weapons Station Earle Bidg. R9 Metal Plates Vent scale in feet

Figure 2-1





PLAN-BUILDING R-10 SCALE: 4-1-0' FUEL OIL TANK REMOVAL 5000 GAL.



UNDERGROUND STORAGE TANK CLOSURES
NAVAL WEAPON STATION EARLE
COLTS NECK, NEW JERSEY
COLTS NECK.

DEPARTMENT OF THE NAVY

SAMPLE LOCATION MAP TANK R-10

NOVENBER 1994

## Building R11 UST Location Map Naval Weapons Station Earle

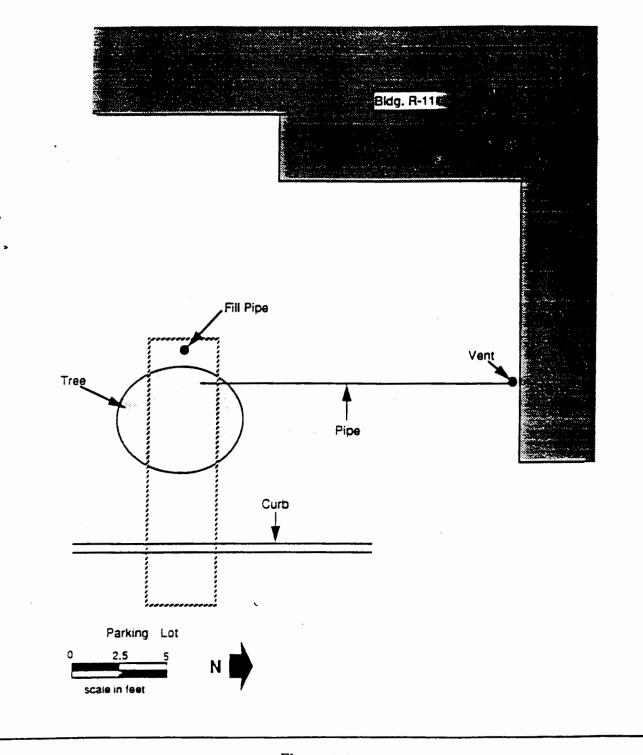
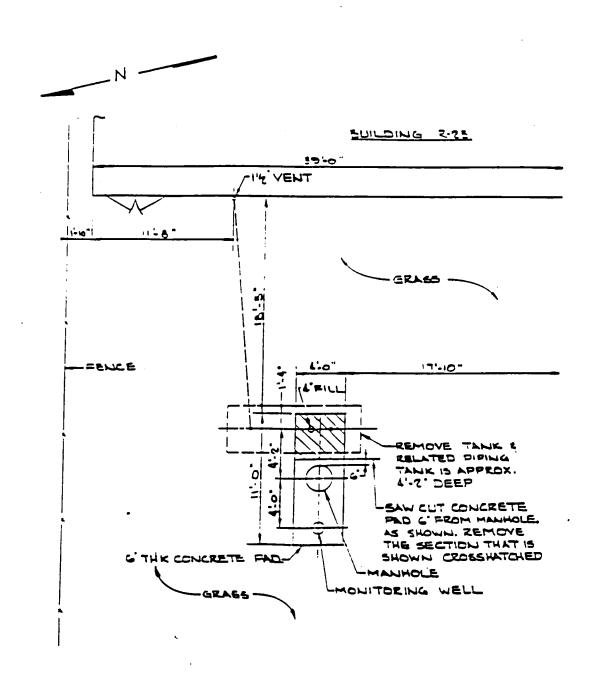


Figure 2-2





UNDERGROUND STORAGE TANK CLOSURES NAVAL WEAPON STATION EARLE

VEW JEPSEY

COLTS NECK DEPARTMENT OF THE NAVY NAVFAC CONTRACTS

SITE LOCATION MAP TANK R-23

2-9 16 SEPTEMBER 1994 1